CLAIMS

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reptide comprising an epitope recognized by anti-filaggrin autoantibodies present in serum from Wherein rheumatoid arthritis patients, said epitope comprises a tripeptide motif citrulline residue, which is specifically present on at least one of the citrullinated peptides derived from SEQ ID NO: 5 or sequences SEQ ID NO: 3,

10 Wherein Reptide according to Claim 1, characterised that it comprises the tripeptide motif Ser-Cit-His in which Cit represents a citrulline residue.

- antigen recognized specifically by anti-filaggrin autoantibodies present in rheumatoid arthritis patients, characterized in that it or consists of at least one peptide according \dot{m} = 1 and 2.
- antigen according to any one of Use of for diagnosing rheumatoid arthritis Claims 1 to in vitro.
- 5) An antigenic for Antiquenic composition diagnosing the / rheumatoid arthritis-specific autoantipresence of bodies in a biological sample, characterized in that it comprising at least one antigen according to any one of Claims 1 to T which is optionally labolled with and/or a carrier molecule. conjugated to
- 6) A method for detecting rheumatoid arthritisspecific autoantibodies in a biological sample, whis mothod being characterized in that it comprises:
- bringing said biological sample into contact with at least one antigen according to any one of cl under conditions which allow the formation ZETTE Z antigen/antibody complex with rheumatoid arthritis-specific autoandibodies possibly present;
- detecting, by any suitable means, the antigen antibody complex pessibly formed
- 7) A kito for detecting rheumatoid arthritis-specific autoantibodies in a biological\sample, characterized in

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